Congressman Pete Sessions (TX-32)
Fiscal Year 2009 Appropriations Project Requests

Commerce, Justice, Science, and Related Agencies

Dallas County Sheriff's Department Intake/Release Project

The Dallas County Sheriff's Department books approximately 400 people every 24 hours. The current system is slow and is susceptible to error and misidentifications. A biometric "2-finger look-up system" is needed in order to process arrestees accurately and effectively. Dallas County Sheriff's Department needs to update its AFIS system, AFIX Tracker. There are currently thirteen municipal police departments in Dallas County and surrounding areas using the AFIX Tracker system. They utilize the AFIX Tracker's "Remote Search" feature which enables those agencies to search not only their own local database for matches, but also all of the other agencies' AFIX databases. These upgrades will provide each of the surrounding agencies the ability to search the Dallas County database. Dallas County will also have the ability to search databases maintained in the surrounding counties, including Parker County, Collin County and Denton County. The outcome of this regional database approach will be to dramatically increase the efficiency and hit rate of the Dallas County Sheriff's Department's AFIX Tracker AFIS system. For FY 2009, I respectfully request $1,067,214 for the Dallas County Sheriff's Department to upgrade its AFIS system.

Phoenix House Adolescent Drug Prevention & Treatment for Dallas Area Youth

Dallas has been identified by the Office of National Drug Control Policy (ONDCP) as one of the communities hit hardest by the problem of drug abuse among our nation's youth, and the ONDCP has recognized Dallas as a High Intensity Drug Trafficking Area. The impact of alcohol and drug abuse has been well documented in terms of financial costs to federal, state, and local governments. North Texas, especially Dallas, is experiencing an epidemic of the use of 'cheese,' a mixture of black tar heroin and over-the-counter drugs—a very dangerous and highly addictive combination. Most disturbing is that drug dealers are targeting very young adolescents who have no previous exposure to illicit drugs. For FY 2009, I respectfully request $1,000,000 to expand the Adolescent Drug Prevention and Treatment program for the increasing number of Dallas area youth.

Promise House Emergency Youth Shelter

Promise House is a safe haven for runaway, homeless, and at-risk teens in the Dallas area. They provide emergency shelter, long-term transitional living services for homeless parenting and non-parenting teens, an alternative day school, after-school and summer programs, on-site educational instruction, community-based counseling and case management services for families (including parenting teen families), and street outreach services. The Emergency Shelter serves up to 20 runaway or homeless teens ages 10 - 17 for up to 30 days. For FY 2009, I respectfully request $150,000 to support the Promise House Emergency Youth Shelter.

Defense

Automatic Aim Point Targeting Technology with Enhanced Imaging

Today's warfighter is equipped with multiple night vision technologies: a head-mounted intensified device for situational awareness and a thermal weapon sight mounted on rifles for no-light conditions. While both systems are effective in their own right, they are not designed to work in combination. The automatic Aim Point Targeting Technology overcomes these significant limitations by integrating head-mounted and weapon-mounted night vision devices into a single system, allowing the operator to fire his or her weapon without the weapon being sighted to his or her eye. This allows for weapon discharge from protected locations (i.e. around corners), thus ensuring target acquisition and reducing troop casualties and fatalities. Currently,

the hardware configuration is too large and draws too much power for deployment. Funding from FY 2009 will be used to miniaturize this technology to the size of a low-power circuit board that can be inserted into a helmet. I respectfully request that the committee provide an additional $5 million to the US Army RDT&E budget for the development of Automatic Aim Point Targeting Technology with Enhanced Imaging.

Army Battery Management Program Utilizing Pulse Technology Project
As the Army continues to transform, there is a need to provide battery maintenance management systems that incorporate pulse technology to increase equipment readiness, reduce hazardous material/environmental waste, reduce operating costs, and reduce the logistics trail. To date, pulse technology has proven to return over 70% of the batteries to service that would have been destined for hazardous material disposal sites. Congress has been very supportive of providing funding for the use of pulse technology. However, Army units continue to purchase a significant amount of pulse technology beyond what Congress has appropriated. As a result, the enablers available to reduce vehicular battery operation and support costs in accordance with established Battery Maintenance Management Programs are accessible but not supported by current appropriations. I respectfully request that the committee add $5.5 million to the Army's O&M budget request, in order to provide much-needed state-of-the-art pulse technology to the Army's operating forces.

Army Missile and Space Technology Initiative
This program designs, develops, manufactures and flight-tests an advanced lighter-than-air cargo airship system design which is economical and scalable for cargo payloads from 40 to 500 tons. The objective vehicle will be capable of lifting 500 tons across intercontinental distances (6,000 Nautical Miles in 4 days) and meet the multi-agency need of common requirements for extended range persistence and intra theater support and re-supply. Cargo Airship bridges the delivery time between aircraft and seaborne shipping with enormous fuel cost savings from current outlays and very little fixed infrastructure to support deployments. I respectfully request that the committee provide $2.2 million to this program.

Enhanced Tracking and Asset Control (ETAC)
The committee recognizes the critical importance of supporting the Navy's transformation and business process improvement in asset visibility, control and accountability through the implementation of Enhanced Tracking and Asset Control (ETAC) in its repair, stock point, and warfare environments. This critical support must be extended directly to in-theater operating combat and support field units in the most expeditious, traceable and efficient manner possible. This technology will directly enhance support to the combat commanders in support of War Operations by providing the tracking and accountability necessary to ensure critical material visibility, traceability, and availability. I respectfully request that the committee provide $10 million for accelerated ETAC implementation, and evaluation of a passive Radio Frequency Identification set of technologies and insertion into the WM piece of the Navy Enterprise Solution in a working and operational environment.

InfraRed Goggle Upgrade System (IRGUS)
Night vision goggles have proliferated into enemy hands, and the enemy now hides in shadows or otherwise avoids detection from NVGs that once ensured US control of the night. Thermal capability is needed to illuminate threats in low and no light conditions and return combat advantage to US warfighters. A goggle system that combines fielded NVG capability with thermal imaging capability will allow for operations in no light conditions and through battlefield obscurants for improved threat detection and target identification. The IRGUS is a miniature thermal imaging system that provides a novel approach of adding thermal imagery to standard

issue Night Vision Goggles such as AN/PVS-7, AN/PVS-14, AN/PVS-23 or AN/PVS-15. The IRGUS simply attaches to the NVG easily and quickly without the use of tools or modification to the standard NVG. Within seconds, the legacy NVGs can be upgraded to provide fused thermal/Image Intensification (I^2) imagery for improved threat detection, target identification, and situational awareness in no light level or obscured battlefield conditions. I respectfully request that the committee provide $6 million for this program which will develop preproduction units, fabricate units for in-theater testing, and qualify units to battlefield specifications.

Line of the Future (LOTF) Study for Tactical Air Munitions

The Line of the Future (LOTF) Study for Tactical Air Munitions will accomplish the detailed manufacturing and engineering work needed to design a versatile bomb manufacturing operation sized to meet long-term production requirements to the warfighter at an affordable price. Drastically reduced requirements for MK-80 series bombs employed on USAF, USN and USMC fixed-wing combat aircraft threatens the future viability of the sole source provider of steel-forged bombs. Production of US bomb requirements has dropped significantly over the last several years and has adversely impacted components of the bomb industrial base. I respectfully request that the committee provide an additional $1.5 million to the US Army Procurement of Ammunition budget, specifically for the Line of the Future Study to support flexible manufacturing processes for steel-forged bombs.

MTI FireScout Radar

The current Navy budget contains inadequate funding to develop a comprehensive Vertical Takeoff Unmanned Air Vehicle (VTUAV) based radar surveillance system to protect Navy surface combatants. This program element addresses the development of advanced technologies for Future Naval Capabilities. One of those technologies is the development of a low-cost moving target indication (MTI) radar for Navy VTUAV aircraft. Navy surface ships are limited in their ability to detect, track, and identify small surface craft at over-the-horizon distances. These small craft pose a real and growing threat to Navy ships operating in hostile littoral waters. Presently surface platforms rely on airborne E-2C radars to provide over the horizon detection of small surface threats. However, the E-2C's capabilities are degraded in littoral and overland operations and cannot cost effectively provide 24/7 surveillance coverage. Additionally, E-2Cs are only available as part of a carrier battle group, thus Surface Action Groups and the soon-to-be-deployed Littoral Combat Ship, not accompanied by carrier air assets, are largely limited to their organic sensor capabilities. I respectfully request that the committee provide an additional $4.6 million in Navy RDT&E for continued development of radar imaging technologies and small target tracking capabilities for the MTI Scout.

National Eye Evaluation and Research Network ("NEER Network")

The National Neurovision Research Institute (NNRI), a support organization of the Found Fighting Blindness (FFB), seeks $3.0 million in FY2009 funding to continue its expansion and operation of the "National Eye Evaluation and Research Network" (NEER Network). This Network was established to enhance and accelerate military and civilian patients' accessibility to specialized centers for evaluation of serious eye diseases affecting the retina and facilitate their rapid referral for treatment and possible participation in research studies and clinical trials. The NNRI, through the National Eye Evaluation and Research Network, will develop protocols, provide clinician training, equip and implement a bioinformation system and expand the regional clinic base needed to achieve its goal. Clinical Treatment and Evaluation Centers (CTEC) with capacity to screen, enroll, and follow the required cohort of patients will be established to ensure useful results from future clinical trials and studies. This program provides a much-needed link between ongoing scientific advancements in research of retinal diseases and the evaluation and

treatment of patients. I respectfully request that the committee provide $3 million to this program.

The Shughart/Gordon Expeditionary Vehicle
There is an operational/mission need for a small, technologically advanced, fast, stealthy, air (helicopter/V22) transportable, air-droppable and easily sustained and maintained tactical vehicle capable of long endurance missions. United States military expeditionary and special operations forces need to operate over long distances for long periods in harsh conditions often in urban environments. The Shughart/Gordon will weigh less than 3,500 pounds with stealthy, low-observable attributes, such as nearly silent operation, radar avoidance and many technologically advanced features, allowing it to seamlessly integrate into the Global Information Environment. The vehicle can be quickly produced and available to US forces within two years of funding. I respectfully request that the committee provide an additional $5.2 million in Defense-Wide RDT&E for development of 4 fully operational combat vehicles for evaluation and field testing by the U.S. Special Operations Command.

The University of Texas System, Brain Health and Repair Project
The Brain Health and Repair Project at the University of Texas at Dallas involves a unique multi-disciplinary collaboration among a talented team of scientists with expertise ranging from cognitive neuroscience, neurology, biomedical engineering, brain imaging and virtual gaming, to those advancing brain repair treatments. The Brain Health and Repair Project takes a comprehensive approach to address some of the most pressing public health issues related to brain health. New evidence from brain science reveals that more can be done to prevent and detect injuries as well as to repair the brain, than modern medicine thought possible only a few years ago. UT Dallas has the largest number of cognitive brain scientists in Texas with specific expertise focused on advancing sensitive measurements of lasting impact of Traumatic Brain Injury on cognition, social, and brain function and developing effective methods to repair the brain given appropriate type, levels and intensity of stimulation. For FY-09, I respectfully request $3 million to assist The University of Texas System in advancing The Brain Health and Repair Project.

The Unmanned Force Augmentation System
The Unmanned Force Augmentation System program supports research, development and testing of advanced Unmanned Aircraft Sytems (UAS) technologies. The program is intended to facilitate the rapid transition of Unmanned Aircraft Vehicle (UAV) systems to the warfighters that offer order-of-magnitude improvements in usability, capability, and, hence, operational effectiveness. Specific program and technology areas that the FY09 program will support include extended development and testing of the Air Deployable Sensor (ADS), which is a Sonobuoy Launched UAS supported by a Technology Transition Agreement with a classified Navy sponsor. This program maps directly to the Navy's Autonomous Operations Future Naval Capability, addressing the following high level AO FNC objectives: 1) Multi-vehicle cooperative operations, 2) Adaptation to dynamic environment changes and mission roadblocks / opportunities, 3) Sensor-to-shooter and sensor-to-weapon connectivity in real time, 4) Manned / unmanned integrated operations. The Air Deployable Sensor (ADS) is supported by an OPNAV Technology Transition Agreement for a Sonobuoy Launched UAS requirement. I respectfully request that the committee add $4.9 million for the Unmanned Force Augmentation System program to support the continued development and testing of the Navy Air Deployable Sensor.

Wounded Warrior DoD/VA Joint Personnel Trauma Care Demonstration Project
Many of our servicemen and women have sustained multiple and severe injuries as a result of explosions and blasts from improvised explosive devices (IEDs), landmines and fragments.

Many of these soldiers have also sustained some degree of traumatic brain injury (TBI), in addition to their physical injuries. Currently, there is a lack of coordination between the MHS Direct Care and VHA care systems. There is an urgent need for a demonstration project that would enable real-time service member coordination and clinical case management across the MHS and VHA care spectrum for service members with traumatic brain injury, using key data from AHLTA and VistA. The project would identify key information from the care plans, highlight potential bottlenecks and anticipate patient needs while enabling patient tracking across the two care systems. Ultimately, this project would improve care to wounded service members who suffer traumatic injuries through improved coordination of medical records between the VA and DoD health care systems. I respectfully request that the committee provide $3.8 million for this demonstration project.

Energy & Water Development, and Related Agencies

Dallas Floodway Extension, Trinity River Project TX

This request is for continuation construction funding of the Dallas Floodway Extension (DFE). It is a joint effort between the City of Dallas and the Army Corps of Engineers consisting of a "chain of wetlands" and a system of protective levees. The flood control improvements will reduce flooding for 12,500 structures in the Central Business District and area neighborhoods permitting balanced growth. The DFE builds on prior flood protection efforts undertaken by the City to protect low-income neighborhoods and the primary wastewater treatment plant that serves 75% of Dallas's needs. The proposed improvements will increase the level of protection of the Dallas Floodway levee system to the Standard Project Flood or 800-year event. Features will include 5.5 miles of levee construction, 170 acres of wetlands development and 1,179 acres of land preservation. The main objective of this project is to provide improved flood protection for the full length of the Trinity River Corridor in Dallas in a way that supports the achievement of environmental, recreational, mobility and economic development goals. For FY 2009, I respectfully request $25,000,000 for the City of Dallas's Dallas Floodway Extension.

Southern Methodist University Advanced Parallel Processing Center

The Advanced Parallel Processing Center (APPC) is a "super computer" that will allow significant contribution in computationally intensive areas of research at SMU and other north Texas academic institutions. This center will allow the north Texas university community to access state of the art parallel computing resources. SMU is participating in the ATLAS experiment at the CERN Large Hadron Collider. The APPC will allow SMU to analyze the data collected from ATLAS. APPC will benefit the study of high energy physics, statistical modeling of functional MRI data collected from veterans suffering from Gulf War Syndrome, problems in cancer chemotherapy, logistics for the banking industry, network design for the telecommunications industry, and applications of energy conservation and nanotechnology. The United States must continue to lead the world in science research in order to remain globally competitive and to attract the best and the brightest scholars. For FY 2009, I respectfully request $4,240,000 for the Advanced Parallel Processing Center for Southern Methodist University.

Labor, Health and Human Services, Education, and Related Agencies

America SCORES Dallas

America SCORES provides after-school programs that use soccer, creative writing, and service learning to improve academic performance, health and community leadership among at-risk youth in urban public elementary schools. Over 80 percent of students served are Hispanic or African American, 95 percent are eligible for free or reduced school lunches, and 51 percent are at risk of childhood obesity. Currently in 9 Dallas locations, America SCORES Dallas hires and trains public school teachers to serve as soccer and writing coaches, engaging participants five days a week by providing soccer training, writing workshops, and game days on alternating

afternoons every week of the fall and spring seasons. For FY 2009, I respectfully request $150,000 for America SCORES Dallas to expand its innovative physical fitness, literacy, and service learning program to at least five elementary schools in Dallas.

Communities In Schools Dallas Region, Mobile Service Wide-ranging Action Team
In Texas, significant high school drop out rates are contributing to the state's projected increase in an unskilled, under-educated population, leading to related economic, social, and crime concerns. Communities in Schools Dallas Region (CIDR) has partnered with 56 public schools to provide professional, results-oriented school dropout intervention and prevention programs to at-risk students. These services focus on academic support, anger management and life skills training, and the intervention and prevention of gang involvement, drug/alcohol use, and violence. Last year, CISDR provided one-on-one case management to nearly 8,000 students, of which 98 percent stayed in school, 90 percent showed academic/attendance improvement, and 90 percent of eligible seniors graduated. To expand these efforts, CISDR will use a mobile service team to reach students on campuses where CISDR is not currently offering case management. For FY-09, I respectfully request $250,000 for Community in Schools Dallas Region's Mobile Service Wide-ranging Action Team (SWAT) to provide targeted mobile intervention and prevention services to an additional 10,000 at-risk students.

Parkland Health & Hospital System (PHHS), Irving Health Center – Diagnostic Imaging Equipment
The public Parkland Health & Hospital System provides healthcare to Dallas County residents with a focus serving the indigent sick, the working poor and special populations with special needs who cannot get the care they need in their own hospital or region. Opened in September 2007, the 36,600 square foot Irving Health Center provides a wide range of health care services including primary care, immunizations, dental care, nutrition counseling, hearing / vision screenings, cancer screenings and treatment for acute and chronic health problems such as diabetes, high blood pressure and heart problems. The project seeks funding to purchase the needed radiology equipment for the health center to provide patients with the convenient and accessible diagnostic imaging opportunities. For FY-09, I respectfully request $180,000 for the Parkland Health and Hospital System's Irving Health Center - diagnostic imaging equipment.

Southern Methodist University, Southwestern Consortium for Anti-Infectives and Virological Research
Southern Methodist University is teaming with several other Texas universities and medical centers to establish a premiere collaborative Center of Excellence that would unite leading regional HIV/AIDS and infectious disease researchers and clinical scientists for the development of new therapies against drug-resistant viral infections of high medical and socioeconomic importance. One of the goals of this consortium in developing new therapies against drug-resistant viral infections is to expand the role of viral-based gene therapy in modern molecular medicine for the treatment of terminal health disparities, such as malignant CNS tumors in children. The requested support would be to provide state-of-the-art infrastructure for NIH-supported research programs in the Southwest (TX-NM) with national and international collaborations. For FY-09, I respectfully request $1,200,000 to assist Southern Methodist University's Consortium for Anti-Infectives and Virological Research.

Texas Best Buddies
Individuals with intellectual disabilities are often identified with social isolation and unemployment, leading to life-long dependency. Through its secondary school and college campus chapters, Best Buddies fosters the social integration and employability of individuals with intellectual disabilities by pairing students with and without intellectual disabilities in one-

to-one mentoring friendship and integrated employment opportunities. With five chapters in my district and 24 chapters across Texas, Best Buddies can positively impact the lives of approximately 3,000 Texans. For FY-09, I respectfully request $250,000 for Texas Best Buddies to train individuals with intellectual disabilities with the skills necessary to succeed in the community and the workplace.

Texas Tech University Health Science Center School of Pharmacy, Texas Drug Safety Institute
Based at the Texas Tech University Health Science Center School of Pharmacy in Dallas, the Texas Drug Safety Institute will establish a national drug safety assessment and surveillance network destined to provide real world timely drug safety analysis emanating from a trusted consortium of Texas universities. The Texas Drug Safety Institute will serve as an objective, unbiased timely resource for patients, policy makers, and health care practitioners. Funding will be focused on drug safety surveillance and assessment programs targeting women and children – especially minority women and children, known to be at greater risk for drug safety problems. For FY-09, I respectfully request $660,250 for the Texas Tech University Health Science Center School of Pharmacy's Texas Drug Safety Institute.

The University of Texas System, Brain Health and Repair Project
The Brain Health and Repair Project at the University of Texas at Dallas involves a unique multi-disciplinary collaboration among a talented team of scientists with expertise ranging from cognitive neuroscience, neurology, biomedical engineering, brain imaging, to those advancing brain repair treatments. The Brain Health and Repair Project takes a comprehensive approach to address some of the most pressing public health issues related to brain health. New evidence from brain science reveals that more can be done to prevent and detect injuries, as well as to repair the brain than modem medicine thought possible only a few years ago. UT Dallas has the largest number of cognitive brain scientists in Texas with specific expertise focused on advancing sensitive measurements of lasting impact of Traumatic Brain Injury on cognition, social, and brain function and developing effective methods to repair the brain given appropriate type, levels and intensity of stimulation. For FY-09, I respectfully request $3,000,000 to assist The University of Texas System in advancing The Brain Health and Repair Project.

University of Texas Southwestern Medical Center at Dallas, Genome Core Facility
The Genome Core Facility comprised of four DNA sequencers would equip the entire research community at UT Southwestern with a state-of-the-art technology that allows astonishingly rapid sequencing of individual patients' DNA. The rapid DNA sequencing these instruments provide will enable the critical next step in looking at the human genome, by addressing a host of new questions raised, such as which genes are responsible for susceptibility to cancer, heart disease, autoimmune syndromes, and other diseases; and how their functions can be modified with treatment. Acquisition of this technology is vital for UT Southwestern to remain at the forefront of medical research and competitive grants, and for the rapid translation of findings into the superior treatments for patients in Texas and all over the country. For FY-09, I respectfully request $1,500,000 for the University of Texas Southwestern Medical Center's Genome Core Facility.

Transportation, Housing and Urban Development, and Related Agencies
City of Irving, Irving Boulevard Corridor Enhancement Project, TX
The Irving Boulevard Corridor, which includes Story Road and Irving Boulevard, Highway 356, is in need of structural enhancements that include a bridge and the enclosure of an open drainage channel for pedestrian and vehicle traffic. These enhancements will reduce congestion and make multi-functional use of space. The corridor is of critical importance to the region because it runs

east to west and connects to the Dallas Fort Worth Airport. For FY 2009, I respectfully request $4,000,000 for the City of Irving's Irving Boulevard Corridor Enhancement Project.